PHILOSOPHICAL SOCIETY

THE
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VOLUME XV.

GLASGOW
PHILOSOPHICAL
SOCIETY.

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OF
SCIENCE,
LITERATURE, AND THE ARTS.

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TO OUR READERS AND CORRESPONDENTS.

The serious inconvenience and delay occasioned in the printing of this Journal, by allowing private copies of particular papers to be struck off for their respective authors, obliges us very reluctantly to announce to our correspondents, the absolute necessity of discontinuing that practice in future.

We are much indebted to our "**Old Correspondent**" for his observations on Electro-magnetism, but he is evidently unacquainted with all that Oersted has achieved in this department of science. *Palmam qui meruit, ferat.*

F. R. S. has reached us, but we cannot, either directly or indirectly, interfere in the subject of his letter.

We are much flattered by the proposal of a "**Proprietor of the London Institution**," but cannot afford the space which his plan would require.

The Letter of "**Bibliophilus**," respecting the destination of the King's Library, reached us too late for insertion, and we fear that, before our next publication, its doom will be fixed. Should the subject not fall into abler hands, which we hope it will, we shall, upon a future occasion, offer a few remarks upon his proposal for a National Museum.

In consequence of the extent of several papers in this Number having exceeded our expectation, we have been obliged to omit the article on the Progress of Foreign Science, and have incorporated the most important parts of it with the *Miscellaneous Intelligence*.

On referring to the Notice to Correspondents, prefixed to our Twenty-Seventh Number, Mr. **John Reid** will find that he has entirely mistaken our motives for withholding his paper. We have now disposed of it according to his directions.

The communication from Birmingham we have again been obliged to postpone, in consequence of want of room for the plate. If the author wishes it returned, it shall be left for him at Mr. **Murray's**.

We are sorry to decline the communication, signed S. Perhaps the author will see our motive in an article in the present Number. His paper is preserved, and shall be disposed of as he may direct.

B. N. D. must excuse us.

"**Electro-Magneticus**" requires some consideration. We shall endeavour to reply to him in our next Number.

If our Correspondent at Rouen will refer to Sir H. **Davy's** paper, "On the Fallacy of the Experiments in which Water is said to have been formed by the Decomposition of Chlorine," in the *Phil. Trans.* for 1818, he will find answers to all his queries.

Several papers have reached us too late for insertion, and will be disposed of according to the notice in our last Number. As we only publish *quarterly*, many subjects of temporary interest, which our Correspondents are kind enough to communicate, are thus rendered useless. This is especially the case with Mr. **Sutherland's** paper, which was only received last night.—March 25.

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ii. Traité Elémentaire de Réactifs, leurs Preparations, leurs Emplois speciaux, et leurs applications à l' Analyse. Par MM. A. PAYEN, Manufacturier; et A. CHEVALLIER, Paris, 1822. 8vo. pp. 224 326

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TO OUR READERS AND CORRESPONDENTS.

Mr. Vulliamy's paper on the Theory of the Dead Escapement, will appear, with its illustrative plates, in our next Number.

Mr. Johnstone's "Analytical Inquiries into the Nature of Nitrogen and Ammonia," reached us too late for insertion; the paper, therefore, is disposed of according to his directions.

We have received the "Edinburgh Critic;" but his remarks appear to us very irrelevant.

A Member of the Apothecaries' Company is informed that we shall probably give some account of the New Laboratory, and of the mode of conducting business in it, in our next Number.

A Correspondent, who writes to us upon the subject of Gas Works, and signs himself "*Anti-Alarmist*," is too voluminous, even for a Quarterly Journal.

We must decline all interference upon the subject of Mr. W. C.'s Letter.

Mr. Wrangham's paper shall appear in our October Number, provided he has no objection to its standing over till that time.

We recommend a little more circumspection to our Correspondent, who calls himself a "Practical Chemist." The Numbers in our Table of Equivalents to which he alludes, are any thing but theoretical, and are deduced, in all cases, from the *experiments* of others, or from original-ones of our own. The number for gold with which he particularly quarrels, happens to be deduced from the analysis of the insoluble iodide, and as it closely corresponds with that derived from an analysis of the triple chloride of gold and potassium by Berzelius, we had no hesitation in adopting it. We cannot help its slight disagreement with the experiments of MM. Pelletier, Oberkampf, *&c.* Had we entered into all our experimental details and data, we must have written a volume.

NEW WORKS PREPARING FOR PUBLICATION.

Essays on Meteorology, by J. F. Daniell, Esq., F.R.S. 1 vol. 8vo.
A System of Mineralogy, by J. Mac Culloch, M.D., F.R.S.
A Manual of Pharmacy, by W. T. Brande, F.R.S. 1 vol. 8vo.

ERRATUM.

In Mr. Davies Gilbert's paper "On the Vibrations of Heavy Bodies," the first two lines in page 97, should follow the Table, page 103.

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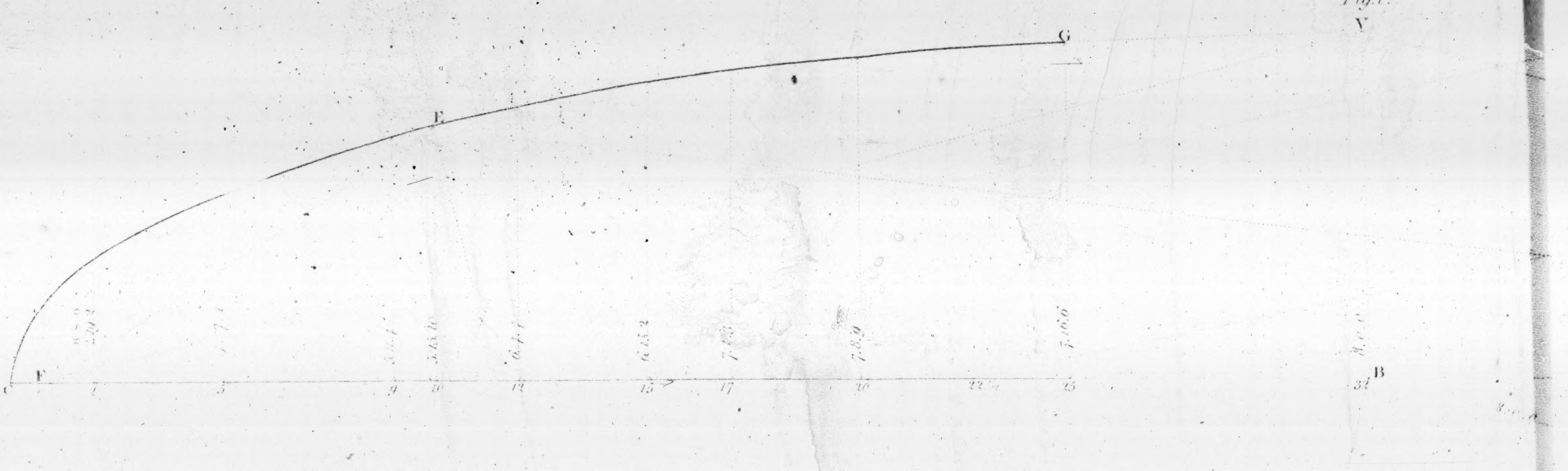
Fig.1.



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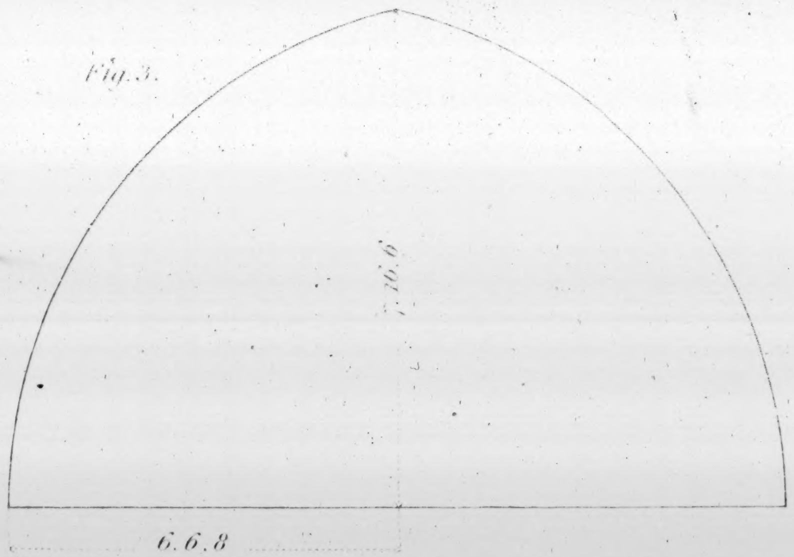

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One braccio = 1.9 feet English, see Dr Young's Nat. Phil

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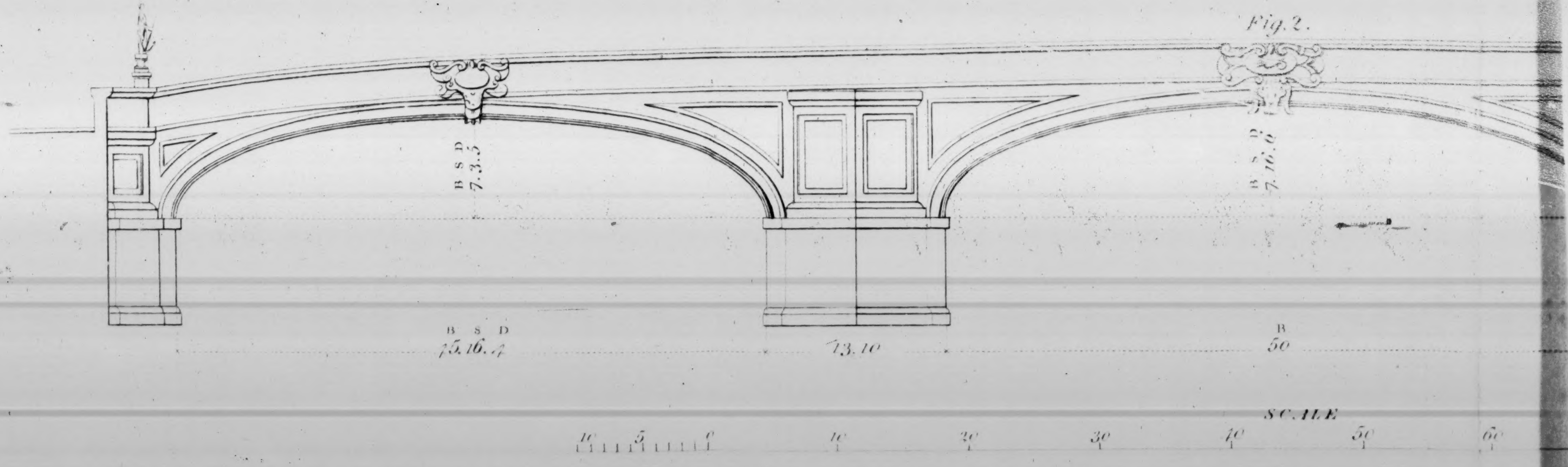

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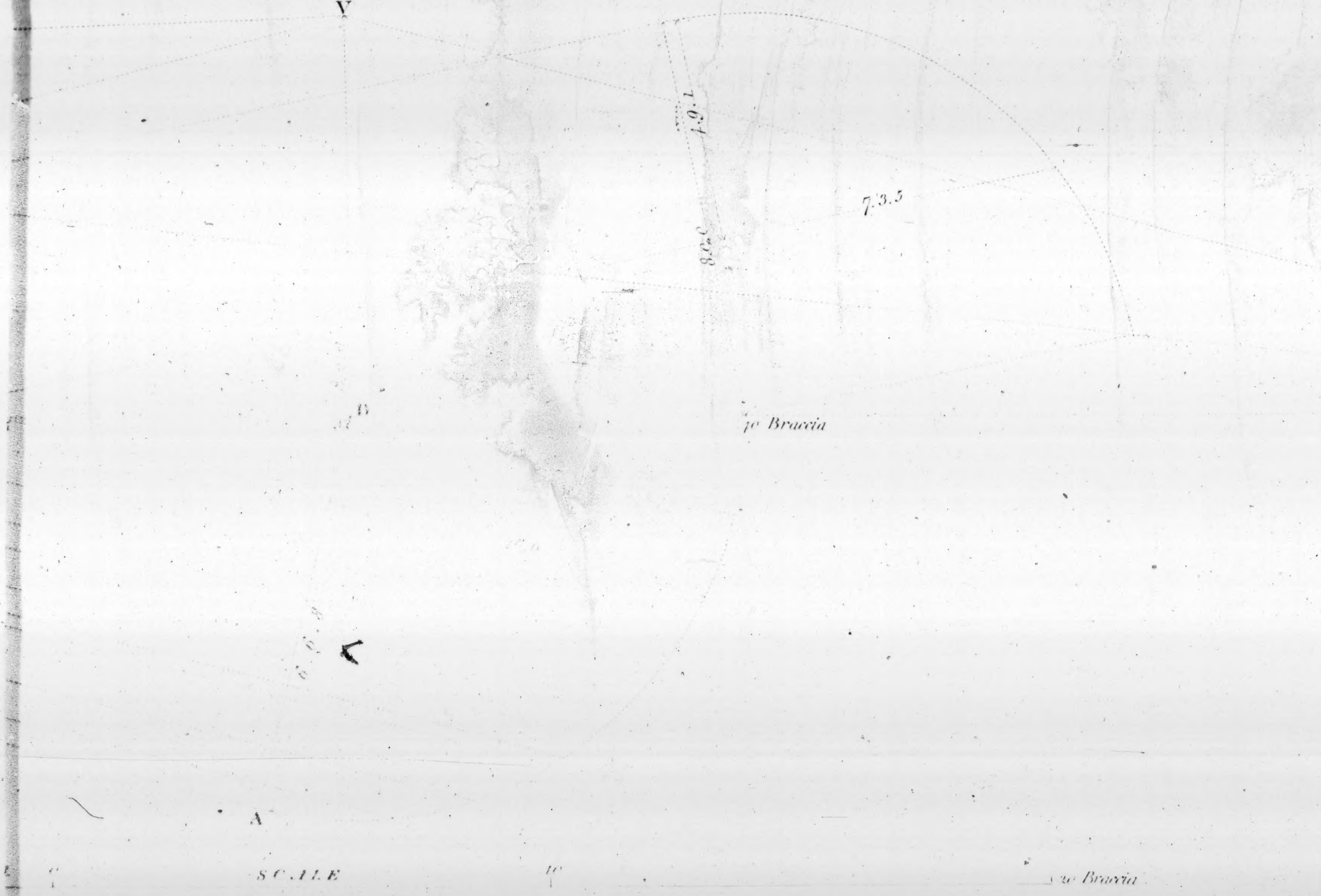

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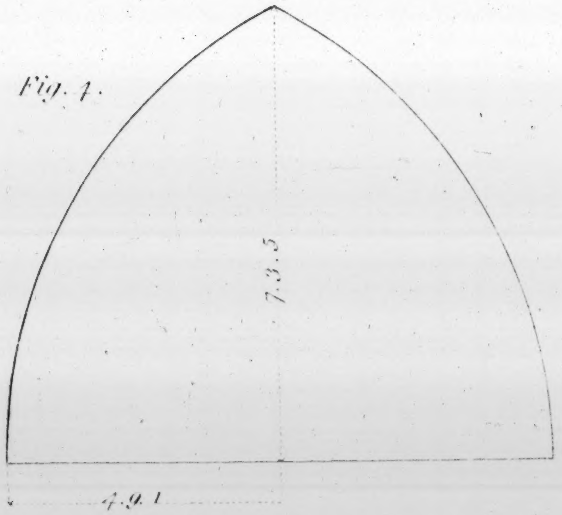

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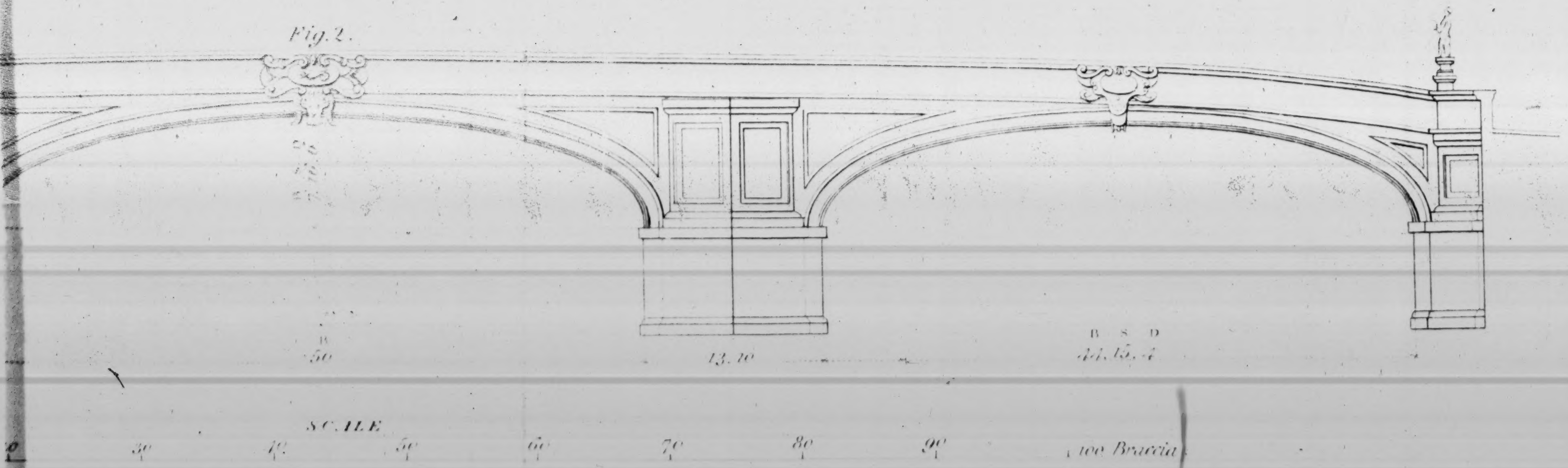

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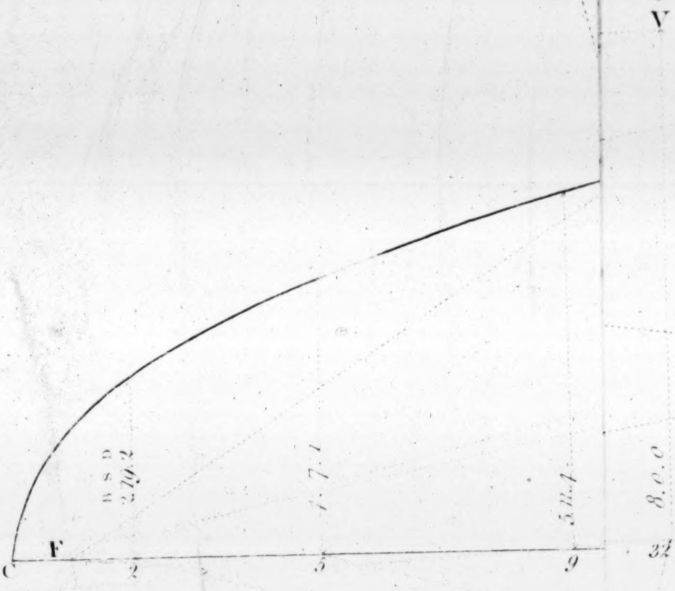

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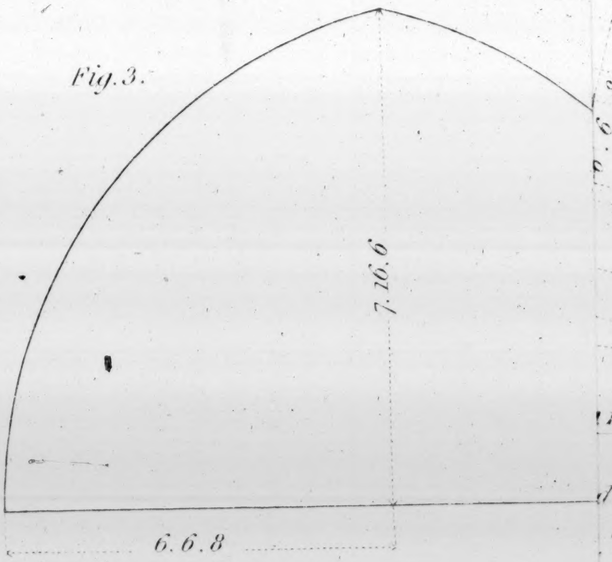

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